Technical Specification Group Services and System Aspects   **TSGS#8(00)0205**
Meeting #8, Düsseldorf, Germany, 26-28 June 2000

Source: **TSG SA1**

Title: **CRs to Multicall (22.135)**

Document for: **Approval**

Agenda Item: **6.1.3**

Doc-1st-Level	Doc-2nd-Level	Spec	CR	Rev	Phase	Cat	Subject	Version-Current	Version-New
SP-000205	S1-000348	22.135	005		R99	F	Alignment of handover requirements for Multicall	3.2.0	3.3.0
SP-000205	S1-000349	22.129	012		R99	C	Alignment of handover requirements for Multicall	3.2.0	3.3.0

3GPP TSG SA WG1 Meeting (S1#8)
Beijing, China, 10 – 14 April 2000

Tdoc **S1-000348**
Agenda item 5.5

CHANGE REQUEST

Please see embedded help file at the bottom of this page for instructions on how to fill in this form correctly.

	22.135	**CR**	**005**		Current Version:	3.2.0

GSM (AA.BB) or 3G (AA.BBB) specification number ? | ? *CR number as allocated by MCC support team*

For submission to: **SA#8**
list expected approval meeting # here ?

for approval	**X**		strategic		*(for SMG*
for information			non-strategic		*use only)*

Form: CR cover sheet, version 2 for 3GPP and SMG   The latest version of this form is available from: ftp://ftp.3gpp.org/Information/CR-Form-v2.doc

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Proposed change affects:
(at least one should be marked with an X)

(U)SIM [ ]   ME [ ]   UTRAN / Radio [ ]   Core Network **X**

Source: SA1   **Date:** 12/04/00

Subject: Alignment of handover requirements for Multicall

Work item:

Category:

(only one category shall be marked with an X)

			Release:	
F	Correction	**X**	Phase 2	
A	Corresponds to a correction in an earlier release		Release 96	
B	Addition of feature		Release 97	
C	Functional modification of feature		Release 98	
D	Editorial modification		Release 99	**X**
			Release 00	

Reason for change: The handover requirements for Multicall are already covered in TS 22.129. A reference to TS 22.129 replaces the handover section instead of having requirements in several TS.

Clauses affected: 6

Other specs affected:

Other 3G core specifications		?	List of CRs:	
Other GSM core specifications		?	List of CRs:	
MS test specifications		?	List of CRs:	
BSS test specifications		?	List of CRs:	
O&M specifications		?	List of CRs:	

Other comments:

help.doc

<--------- double-click here for help and instructions on how to create a CR.

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6   Exceptional procedures or unsuccessful outcome

6.1   Exceptional operation or unsuccessful outcome

The number of simultaneous CS bearers supported by the system may vary in different regions. For instance, after

handover the number of simultaneous bearers available to the served subscriber may be lower than the number of already established bearers. Such events shall trigger changes to individual calls in any multicall scenario.

The handover requirements for multicall are specified in 3G TS 22.129 [6].

If a multicall configuration is to be handed over and the target cell cannot support all the calls, the following rules shall be applied to determine which call(s) will not be handed over.

    1) A teleservice emergency call shall take precedence over all other calls.

    2) If calls have different priorities, a call with higher priority shall take precedence over a call with lower priority.

    3) If calls have equal priorities, a call of teleservice telephony shall take precedence over a call of any other teleservice or bearer service.

If the application of these rules does not determine unambiguously which call(s) will not be handed over, the selection of the call(s) which will not be handed over made is according to the rules defined by the network operator.

    NOTE: If handover is to a GSM system, then only one call can be handed over.

CHANGE REQUEST

Please see embedded help file at the bottom of this page for instructions on how to fill in this form correctly.

22.129 **CR** **012**   Current Version: **3.2.0**

GSM (AA.BB) or 3G (AA.BBB) specification number ?   ? *CR number as allocated by MCC support team*

For submission to: **SA#8**   for approval **X**   strategic ☐   *(for SMG*
list expected approval meeting # here ?   for information ☐   non-strategic ☐   *use only)*

Form: CR cover sheet, version 2 for 3GPP and SMG   The latest version of this form is available from: ftp://ftp.3gpp.org/Information/CR-Form-v2.doc

Proposed change affects: (U)SIM ☐   ME ☐   UTRAN / Radio ☐   Core Network **X**
(at least one should be marked with an X)

Source:	SA1	**Date:**	13/04/00
Subject:	Alignment of handover requirements for multicall		
Work item:			

Category: F   Correction   ☐   **Release:**   Phase 2   ☐
       A   Corresponds to a correction in an earlier release   ☐   Release 96   ☐
(only one category   B   Addition of feature   ☐   Release 97   ☐
shall be marked   C   Functional modification of feature   **X**   Release 98   ☐
with an X)   D   Editorial modification   ☐   Release 99   **X**
                                                                                        Release 00   ☐

Reason for change:	Alignment of Multicall Handover requirements between 22.129 and 22.135 and removal of the 'user priority' for calls used in the handover process. This 'user priority' feature has not been implemented in R99.

Clauses affected: 5.4

Other specs affected:

Other 3G core specifications	☐	? List of CRs:	
Other GSM core specifications	☐	? List of CRs:	
MS test specifications	☐	? List of CRs:	
BSS test specifications	☐	? List of CRs:	
O&M specifications	☐	? List of CRs:	

Other comments:

help.doc

<--------- double-click here for help and instructions on how to create a CR.

5.4   Handover of a Multicall

The handover event can trigger changes to individual calls in any multicall scenario.

~~Priority setting of CS Calls and PS Sessions shall influence the handover process.~~ It shall be possible to handover all <u>the</u> calls <u>in a multicall configuration.</u> ~~and sessions~~. If the target cell is not able to accommodate all <u>the</u> calls ~~/sessions~~ <u>in a multicall configuration</u>, then the calls ~~/sessions~~ that are handed over shall be selected in following order ~~and the calls/sessions that cannot be handed over will be released~~:~~.~~

~~The selection criteria shall be based on the following order:~~

    i.   The call of teleservice emergency call

~~ii.If the user has set the priority, the call or session of highest priority marking. If there is more than one call or session of highest priority marking, then the call of teleservice telephony shall be chosen in preference to those of equal highest priority. If there are multiple calls where priority is the same, how to treat the calls depends on the operator.~~

    ii.   The call of teleservice telephony

    iii.   The call of any other type

<u>Calls that cannot be handed over will be released.</u>

If no single call can be selected according to the above criteria, handover shall be rejected.

A change in the availability of suitable radio resources may also occur for other reasons in addition to handover.